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Abstract

~~Histogram-based image filtering in computed tomography~~

~~The present invention relates to a~~A method is _for organ-specific image optimization in computed tomography. In this case, the HU values of a layer of the body previously recorded with a CT device are calculated and, on this basis, a first CT image is created. For this first CT image, a histogram is also created, in which the frequency distribution of the HU values is reproduced. In a histogram, at least one organ-specific HU region is defined and the latter is allocated an HU-dependent transfer function. Furthermore, a second CT image is created on the basis of the previously calculated HU values for the layer of the body which has been recorded. The first and second CT image are filtered with the HU-dependent transfer function and, finally, the filtered first CT image is mixed with the filtered second CT image.

~~Figures 4 to 6~~